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## RAW SEQUENCE LISTING

DATE: 01/23/2002

PATENT APPLICATION: US/09/928,412

TIME: 10:33:20

Input Set : N:\Crf3\RULE60\09928412.raw.txt

Output Set: N:\CRF3\01232002\I928412.raw

1 <110> APPLICANT: KAWAOKA, Akiyoshi  
 2 EBINUMA, Hiroyasu  
 3 <120> TITLE OF INVENTION: TRANSCRIPTION FACTOR CONTROLLING PHENYLPROPANOID  
 4 BIOSYNTHESIS PATHWAY  
 5 <130> FILE REFERENCE: 4859-0027-0  
 6 <140> CURRENT APPLICATION NUMBER: 09/928,412  
 7 <141> CURRENT FILING DATE: 2001-08-14  
 8 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/282,146  
 W--> 9 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-31  
 10 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: JP 10-125171  
 W--> 11 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-31  
 12 <160> NUMBER OF SEQ ID NOS: 13  
 13 <170> SOFTWARE: PatentIn Ver. 2.1  
 15 <210> SEQ ID NO: 1  
 16 <211> LENGTH: 988  
 17 <212> TYPE: DNA  
 18 <213> ORGANISM: Nicotiana tabacum  
 19 <220> FEATURE:  
 20 <221> NAME/KEY: CDS  
 21 <222> LOCATION: (100)..(702)  
 22 <220> FEATURE:  
 23 <221> NAME/KEY: misc\_feature  
 24 <222> LOCATION: (127)..(282)  
 25 <223> OTHER INFORMATION: LIM domain  
 26 <220> FEATURE:  
 27 <221> NAME/KEY: misc\_feature  
 28 <222> LOCATION: (427)..(582)  
 29 <223> OTHER INFORMATION: LIM domain  
 30 <400> SEQUENCE: 1  
 31 gaattcgcg cgtttccaaa aaccaagtgc taacacaaag aaagggaaag agccacaaag 60  
 32 accatttttg ttttctgtaa aacttgctcg tatatagcc atg gct ttt gca gga 114  
 33 Met Ala Phe Ala Gly  
 34 1 5  
 35 acc aca cag aaa tgc atg gca tgt gac aag act gtc tat ctg gtt gac 162  
 36 Thr Thr Gln Lys Cys Met Ala Cys Asp Lys Thr Val Tyr Leu Val Asp  
 37 10 15 20  
 38 aaa tta act gca gat aac aga atc tat cac aaa gct tgt ttc aga tgc 210  
 39 Lys Leu Thr Ala Asp Asn Arg Ile Tyr His Lys Ala Cys Phe Arg Cys  
 40 25 30 35  
 41 cat cac tgc aag ggc act gtc aag ctt ggc aac tac aat tcc ttt gag 258  
 42 His His Cys Lys Gly Thr Val Lys Leu Gly Asn Tyr Asn Ser Phe Glu  
 43 40 45 50  
 44 gga gtt cta tac tgt aga cca cac ttt gat cag ctc ttc aaa caa act 306

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45   Gly Val Leu Tyr Cys Arg Pro His Phe Asp Gln Leu Phe Lys Gln Thr
46       55                60                65
47   ggc agt ttg gat aaa agc ttt gaa ggt aca cca aaa aat gtg aag cca 354
48   Gly Ser Leu Asp Lys Ser Phe Glu Gly Thr Pro Lys Asn Val Lys Pro
49       70                75                80                85
50   cag aaa ccc att gac agt gag aaa cca cag gta gcc aaa gtg aca agc 402
51   Gln Lys Pro Ile Asp Ser Glu Lys Pro Gln Val Ala Lys Val Thr Ser
52       90                95                100
53   atg ttt ggt gga aca aga gag aaa tgt ttt ggc tgc aag aaa act gtc 450
54   Met Phe Gly Gly Thr Arg Glu Lys Cys Phe Gly Cys Lys Lys Thr Val
55       105                110                115
56   tac cca aca gaa aag gta tca gcc aat ggc acg cca tac cat aag agc 498
57   Tyr Pro Thr Glu Lys Val Ser Ala Asn Gly Thr Pro Tyr His Lys Ser
58       120                125                130
59   tgc ttc caa tgc agc cac gga ggc tgt gta ata agc cct tcc aac tat 546
60   Cys Phe Gln Cys Ser His Gly Gly Cys Val Ile Ser Pro Ser Asn Tyr
61       135                140                145
62   acc gca cat gag ggg cgc tta tat tgt aaa cat cac cat att caa ctt 594
63   Thr Ala His Glu Gly Arg Leu Tyr Cys Lys His His His Ile Gln Leu
64       150                155                160                165
65   atc aag gag aag ggc aac tta agc aag ctt gag ggt gac cat gaa atg 642
66   Ile Lys Glu Lys Gly Asn Leu Ser Lys Leu Glu Gly Asp His Glu Met
67       170                175                180
68   aat tcc acg aca aca aca gga gtt act gca gag tca tac aca gcc gac 690
69   Asn Ser Thr Thr Thr Thr Gly Val Thr Ala Glu Ser Tyr Thr Ala Asp
70       185                190                195
71   caa gtt gat tga tccttatctt taccgcgac atgtattacg tatctgctgt 742
72   Gln Val Asp
73       200
74   tagttgtaag aatcgaaggc gttcagcagc ttccatgaat gcacttgccct tgccccagcg 802
75   tatgttttac tctaattctag cttcaattaa tttgatgttg aactatatat tgtctagctt 862
76   ttgtgtgtag atttttgacc tttgtttgct tgtgtcttcac ttgtattatg tgaatgttga 922
77   atgagattga atataacatg gttttgctgt cccagtgcac gcaaattctt gagcggccgc 982
78   gaattc 988
80 <210> SEQ ID NO: 2
81 <211> LENGTH: 200
82 <212> TYPE: PRT
83 <213> ORGANISM: Nicotiana tabacum
84 <400> SEQUENCE: 2
85   Met Ala Phe Ala Gly Thr Thr Gln Lys Cys Met Ala Cys Asp Lys Thr
86       1                5                10                15
87   Val Tyr Leu Val Asp Lys Leu Thr Ala Asp Asn Arg Ile Tyr His Lys
88       20                25                30
89   Ala Cys Phe Arg Cys His His Cys Lys Gly Thr Val Lys Leu Gly Asn
90       35                40                45
91   Tyr Asn Ser Phe Glu Gly Val Leu Tyr Cys Arg Pro His Phe Asp Gln
92       50                55                60
93   Leu Phe Lys Gln Thr Gly Ser Leu Asp Lys Ser Phe Glu Gly Thr Pro
94       65                70                75                80

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```

95      Lys Asn Val Lys Pro Gln Lys Pro Ile Asp Ser Glu Lys Pro Gln Val
96              85                      90                      95
97      Ala Lys Val Thr Ser Met Phe Gly Gly Thr Arg Glu Lys Cys Phe Gly
98              100                      105                      110
99      Cys Lys Lys Thr Val Tyr Pro Thr Glu Lys Val Ser Ala Asn Gly Thr
100              115                      120                      125
101      Pro Tyr His Lys Ser Cys Phe Gln Cys Ser His Gly Gly Cys Val Ile
102              130                      135                      140
103      Ser Pro Ser Asn Tyr Thr Ala His Glu Gly Arg Leu Tyr Cys Lys His
104              145                      150                      155                      160
105      His His Ile Gln Leu Ile Lys Glu Lys Gly Asn Leu Ser Lys Leu Glu
106              165                      170                      175
107      Gly Asp His Glu Met Asn Ser Thr Thr Thr Thr Gly Val Thr Ala Glu
108              180                      185                      190
109      Ser Tyr Thr Ala Asp Gln Val Asp
110              195                      200
112 <210> SEQ ID NO: 3
113 <211> LENGTH: 17
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
118 <400> SEQUENCE: 3
119      tgccacaaa ctctac                                     17
121 <210> SEQ ID NO: 4
122 <211> LENGTH: 17
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
127 <400> SEQUENCE: 4
128      ctccaccaac ccccttc                                     17
130 <210> SEQ ID NO: 5
131 <211> LENGTH: 17
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
136 <400> SEQUENCE: 5
137      ctttaccac ccccatc                                     17
139 <210> SEQ ID NO: 6
140 <211> LENGTH: 17
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
145 <400> SEQUENCE: 6
146      ctccaacaaa ccccttc                                     17
148 <210> SEQ ID NO: 7

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## RAW SEQUENCE LISTING

DATE: 01/23/2002

PATENT APPLICATION: US/09/928,412

TIME: 10:33:20

Input Set : N:\Crf3\RULE60\09928412.raw.txt

Output Set: N:\CRF3\01232002\I928412.raw

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149 <211> LENGTH: 17
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
154 <400> SEQUENCE: 7
155     tctcaacaac tcctcct                                     17
157 <210> SEQ ID NO: 8
158 <211> LENGTH: 17
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
163 <400> SEQUENCE: 8
164     tgccaactga cccgtag                                     17
166 <210> SEQ ID NO: 9
167 <211> LENGTH: 17
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
172 <400> SEQUENCE: 9
173     acccaactaa ccccggc                                     17
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176 <211> LENGTH: 17
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
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180 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
181 <400> SEQUENCE: 10
182     atccaacaaa taacaca                                     17
184 <210> SEQ ID NO: 11
185 <211> LENGTH: 17
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
190 <400> SEQUENCE: 11
191     caccacttga gtacaaa                                     17
193 <210> SEQ ID NO: 12
194 <211> LENGTH: 12
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
199 <400> SEQUENCE: 12
200     ccaacaaacc cc                                         12
202 <210> SEQ ID NO: 13
203 <211> LENGTH: 12

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Input Set : N:\Crf3\RULE60\09928412.raw.txt

Output Set: N:\CRF3\01232002\I928412.raw

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205 <213> ORGANISM: Artificial Sequence  
206 <220> FEATURE:  
207 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA  
208 <400> SEQUENCE: 13  
209 ccacttgagt ac 12

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/928,412

DATE: 01/23/2002

TIME: 10:33:21

Input Set : N:\Crf3\RULE60\09928412.raw.txt

Output Set: N:\CRF3\01232002\I928412.raw

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L:11 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD